

What is claimed is:

1. A support fixture for a hand-held power tool, the power tool having a body and a drive spindle engaging a tool bit configured to perform an operation on a workpiece, the support fixture comprising:

a base plate for contacting the workpiece and defining an opening for passage of the tool bit therethrough to contact the workpiece;

a guide plate supported on said base plate for movement relative to said base plate; and

a tool support housing associated with said guide plate, said tool support housing including;

a housing body configured to receive the power tool body therein, said housing body defining a tool bore for extension of a portion of the power tool body adjacent the drive spindle therethrough; and

a clamping mechanism for fixing the portion of the power tool within said tool support housing, said clamping mechanism including an engagement member supported on said guide plate between said housing body and said guide plate that is operable to engage the portion of the power tool body, said engagement member defining a bore for extension of the tool bit therethrough.

2. The support fixture of claim 1, in which the power tool includes a spindle locking button, wherein said tool support housing defines an access window arranged to permit access to the spindle locking button when the power tool is fixed within said tool support housing.

3. The support fixture of claim 1, in which the power tool body includes a threaded portion adjacent the spindle, wherein said engagement member includes an overthrow nut having internal threads for threaded engagement with the threaded portion of the power tool body.

4. The support fixture of claim 3, wherein:
said overthrow nut includes a circumferential flange; and
said clamping mechanism includes a retainer cap defining a bore for receiving said overthrow nut therethrough, said retainer cap attached to said body of said tool support housing to trap said circumferential flange of said overthrow nut between said body and said retainer cap while permitting rotation of said overthrow nut.

5. A tool support housing for supporting a hand-held power tool on a fixture, the power tool having a body and a drive spindle engaging a tool bit configured to perform an operation on a workpiece, said support housing comprising:

a housing body configured to receive the power tool body therein, said housing body defining a tool bore for extension of a portion of the power tool body adjacent the drive spindle therethrough; and

a clamping mechanism for fixing the portion of the power tool within said tool support housing, said clamping mechanism including an engagement member supported on said guide plate between said housing body and said guide plate that is operable to engage the portion of the power tool body, said engagement member defining a bore for extension of the tool bit therethrough.

6. The tool support housing of claim 5, in which the power tool includes a spindle locking button, wherein said tool support housing defines an access window arranged to permit access to the spindle locking button when the power tool is fixed within said tool support housing.

7. The tool support housing of claim 5, in which the power tool body includes a threaded portion adjacent the spindle, wherein said engagement member includes an overthrow nut having internal threads for threaded engagement with the threaded portion of the power tool body.

8. The tool support housing of claim 7, wherein:
said overthrow nut includes a circumferential flange; and
said clamping mechanism includes a retainer cap defining a bore for receiving said overthrow nut therethrough, said retainer cap attached to said body of said tool support housing to trap said circumferential flange of said overthrow nut between said body and said retainer cap while permitting rotation of said overthrow nut.

9. The tool support housing of claim 5, further comprising means for attaching said housing body to the fixture.